

Objectives

At the end of this lesson I should be able to:

- Formulate my own question to investigate health
- Design and construct a plan for my own scientific health investigation
- Safely carry out my scientific health investigation
- Record reliable, precise and accurate data
- Make a conclusion based on the evidence collected
- Present my results as a scientific health investigation poster
- Evaluate your scientific health investigation posters

Start of lesson			End of lesson		
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Complete this section at the end of the lesson

What new things have you learnt today?

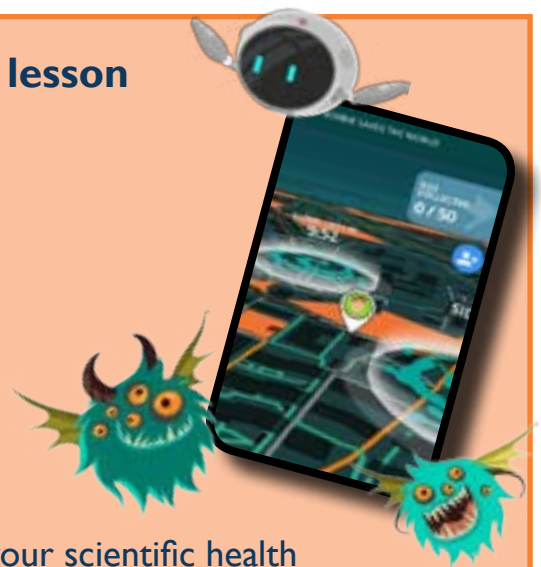
What skills have you used today?

What skills did you find difficult today?

How well did your group work together to create your scientific health investigation poster?



How many people have you saved from the procrastination gas?



How you travel to school can affect how alert you are in lessons: What do you think?

What will be our method?
What measurements or data will we need?



How will we collect our data?
How about if we measure something or carry out a survey or questionnaire?



How do we know people are happy to take part?

How will we know our conclusion is trustworthy?



What resources will we need to be able to carry out our investigation?
How will we make sure it is safe?

What question on health are you going to investigate?



What are CREST Awards?

They are a UK award scheme for 11-19 yr olds. They recognise success, building skills and demonstrating personal achievement in science, technology, engineering and maths (STEM) project work.



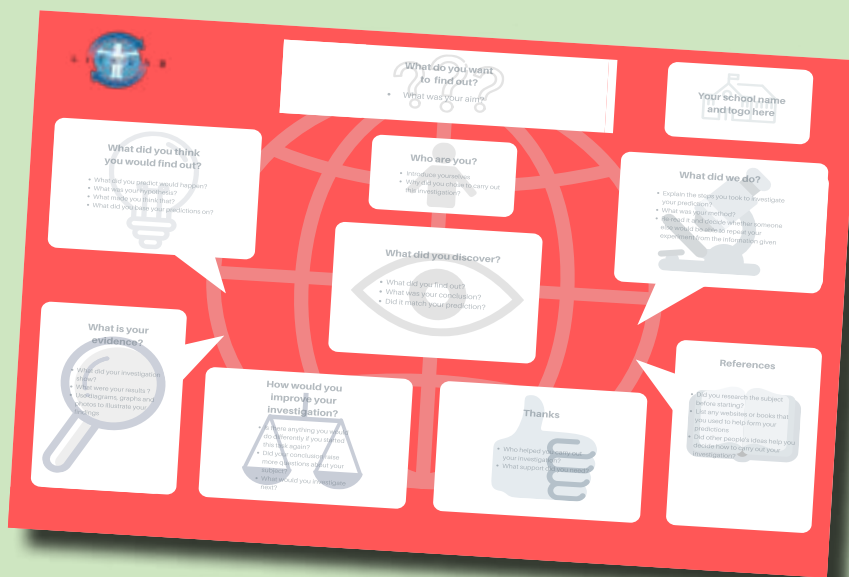
What do I need to do to complete a Bronze CREST Award?



By completing the LifeLab module and your Scientific Health Investigation you have the opportunity of submitting your work for a CREST Bronze Award or a Discovery Award.

You will need to provide the following evidence:

- Your completed **Scientific Health Investigation Poster**



- Your completed student profile sheet, which your teacher will give you. In each section explain what you did, including what it is and where it is shown in your poster. For example; 'Having discussed ideas we agreed our aim which is shown in the box on our Scientific Health Investigation Poster'.

If you're working in a group or team, each team member should complete a separate student profile.



Design your own scientific health investigation poster

Using the poster template, make your own poster to show your health investigation.



Judging your scientific health investigation posters

Discuss how you are going to judge the posters and agree the criteria.

What are you going to give marks for? What are you looking for? How are you going to decide which poster should go to the LifeLab Schools' Conference?



What is a Scientific Health Conference?



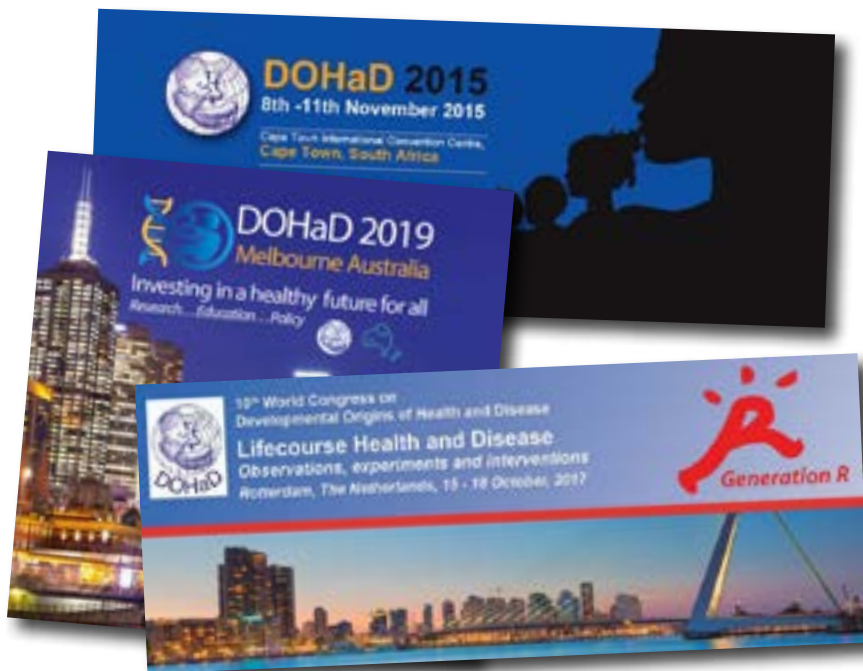
Many scientists from the University of Southampton and throughout the United Kingdom are working to understand more about how we can make sure people have a Healthy Start to Life. They work with scientists in universities all around the world who belong to the International Society for **Developmental Origins of Health and Disease, (DOHaD)**.



Every year the DOHaD scientists from across the world meet to talk about what they have been doing. They talk about their work and share ideas, and learn from each other. **Collaboration and team work are important for scientists.**



The University of Southampton
Institute of Developmental Sciences,
University Hospital Southampton



At a conference, scientists will either give a talk or present a poster. After a talk or a poster presentation there is time for questions from the audience.

The scientists also have a journal where they can send reports about their work. The reports have to be reviewed by other scientists and then approved by the editor before they can be published. Scientists from all around the world read journals to find out about what other scientists are doing.

